

I CLAIM:

1 1. A vented hollow plastic block for use in a wall section or panel, said plastic block
2 comprising in combination;

3 a) a pair of members, each of said members including a continuous side wall, said
4 side wall of one of said members including a lip and said side wall of the other of said members
5 including a shelf for receiving and mating with said lip and forming a junction;

6 b) a sheet of material adapted for partly reflecting solar radiation, said sheet of
7 material being located interior of and extending across said plastic block; and

8 c) a vent extending through one of said side walls.

1 2. The vented hollow plastic block as set forth in Claim 1 wherein the said vent has
2 an area equivalent to a circle having a diameter in the range of about 0.005 inches to about 0.25
3 inches.

1 3. The vented hollow plastic block as set forth in Claim 2 wherein said vent has an
2 area equivalent to a circle having a diameter in the range of about 0.012 inches to about 0.015
3 inches.

1 4. The vented hollow plastic block as set forth in Claim 1 wherein each of said
2 members is of translucent plastic material.

1 5. The vented hollow plastic block as set forth in Claim 1 wherein each of said
2 members is of transparent plastic material.

1 6. The vented hollow plastic block as set forth in Claim 1 wherein said sheet of
2 material defines two compartments within said plastic block.

1 7. The vented hollow plastic block as set forth in Claim 6 wherein said sheet of
2 material includes a slot adapted to provide fluid communication between said two compartments.

1 8. The vented hollow plastic block as set forth in Claim 7 wherein said slot is
2 essentially coincident with said vent.

1 9. The vented hollow plastic block as set forth in Claim 1 wherein said sheet of
2 material is disposed at said junction.

1 10. The vented hollow plastic block as set forth in Claim 9 wherein the peripheral
2 edge of said sheet of material is coincident with said shelf and retained thereagainst by said lip.

1 11. The vented hollow plastic block as set forth in Claim 10 including an adhesive for
2 securing said sheet of material in place.

1 12. The vented hollow plastic block as set forth in Claim 9 including an adhesive for

2 securing said sheet of material in place.

1 13. A vented hollow plastic block for use in a wall section, said plastic block
2 comprising in combination;

3 a) a pair of members, each of said members including a continuous side wall and
4 defining an edge, said edge of one of said members being mated with said edge of the other of
5 said members to form a junction;

6 b) a vent disposed in at least one of said side walls, said vent having an area
7 equivalent to a circle having a diameter in the range of about 0.005 inches to about 0.025 inches;

8 c) a sheet of material disposed within said plastic block and supported by said side
9 wall of at least one member of said pair of members and adapted to define two compartments
10 within said plastic block; and

11 d) a further vent disposed in said sheet of material for providing fluid
12 communication between said two compartments.

1 14. The vented hollow plastic block as set forth in Claim 13 wherein said aperture has
2 an area equivalent to a circle having a diameter in the range of about 0.012 inches to about 0.015
3 inches.

1 15. The vented hollow plastic block as set forth in Claim 13 wherein said vent and
2 said further vent are substantially coincident.

1 16. The vented hollow plastic block as set forth in Claim 15 wherein said vent and
2 said further vent are juxtaposed with one another.

1 17. The vented hollow plastic block as set forth in Claim 13 wherein each of said
2 members is of translucent plastic material.

1 18. The vented hollow plastic block as set forth in Claim 13 wherein each of said
2 members is of transparent plastic material.

1 19. The vented hollow plastic block as set forth in Claim 13 wherein each of said
2 members is square in planform and wherein said sheet of material is square in planform.

1 20. A vented hollow translucent/transparent plastic block of use in a wall section, said
2 plastic block comprising in combination;

- 3 a) a pair of members, each of said members including a continuous side wall;
4 b) a sheet of material extending across the interior of said plastic block;
5 c) said side wall of one of said members being in sealed engagement with said
6 side wall of the other of said members; and
7 d) a vent disposed in one of said side walls and adapted to be in fluid
8 communication with the interior of said plastic block.

1 21. The vented hollow translucent/transparent plastic block as set forth in Claim 20

2 wherein said vent having an area equivalent to a circle having a diameter in the range of about
3 0.005 inches to about 0.25 inches.

1 22. The vented hollow translucent/transparent plastic block as set forth in Claim 21
2 wherein said vent has an area equivalent to a circle having a diameter in the range of about 0.012
3 inches to about 0.015 inches.

1 23. The vented hollow translucent/transparent plastic block as set forth in Claim 20
2 wherein said sheet of material defines two compartments within said plastic block.

1 24. The vented hollow translucent/transparent plastic block as set forth in Claim 23
2 wherein said sealed engagement is adapted to support said sheet of material.

1 25. The vented hollow translucent/transparent plastic block as set forth in Claim 24
2 wherein said vent is formed at the junction of said side walls including a further vent disposed in
3 said sheet of material.

1 26. The vented hollow translucent/transparent plastic block as set forth in Claim 25
2 wherein said further vent is substantially coincident with said vent.